

WHAT IS CLAIMED IS:

1. A bolt on drive assembly for a core drill comprising:

5 a cylindrical tube having a cutting edge at one longitudinal end and an open end at an opposite longitudinal end;

a mounting means mounted at said open end;

10 a spoked reinforcer, said spoked reinforcer having a center hub from which extends radially a plurality of spoked members, said spoked members being attached to said mounting means;

an outer disc mounted onto said spoked reinforcer and also onto said mounting means;

15 a drive connection centrally mounted on said outer disc, said drive connection adapted to connect to a drive shaft to cause rotation of said tube; and

a series of removable fasteners to secure said outer disc and said spoked reinforcer to said mounting means.

2. The bolt on drive assembly as defined in Claim 1 wherein:

20 said tube having a hollow chamber, said mounting means comprising a mounting ring, said mounting ring being located within said hollow chamber.

3. The bolt on drive assembly as defined in Claim 1 wherein:

a water stop disc mounted between said spoked reinforcer and said mounting means, said water stop disc to function to prevent the passage of water from within said hollow chamber through said open end.

4. The bolt on drive assembly as defined in Claim 1 wherein:

said drive connection comprising a coupler adapted to be threadably secured to a drive shaft.

5. The bolt on drive assembly as defined in Claim 4 within:

said coupler being removably mounted with bolt fasteners to said stoked reinforcer.

6. A method of making a core drill comprising the steps of:

utilizing a cylindrical open ended tube which has a hollow through chamber;

forming a cutting edge at one end of said tube;

forming a mounting means at an opposite end of said tube; and

bolting a spoked reinforcer onto said mounting means where said spoked reinforcer is connected to a driving connection.

7. The method as defined in Claim 6 wherein prior to the bolting step there is the additional step of inserting a first thin disc across said hollow chamber essentially closing said hollow chamber to prevent passage of water therethrough with said bolting also functioning to secure said first thin disc in place.

8. The method as defined in Claim 7 wherein prior to the bolting step there is the additional step of placing a second thin disc across said hollow chamber covering said spoked reinforcer with said bolting also functioning to secure said second thin disc in place.